

ACC NR: AP7006802

(A)

SOURCE CODE: UR/0418/66/000/006/0084/0086

AUTHOR: Korenevskiy, Ye. Ya. (Engineer); Tsypak, V. I. (Engineer); Semenov, R. A.
(Engineer)

ORG: None

TITLE: Effect of annealing and vibrotumbling on the durability of parts made from
OT4-1 titanium alloy after surface grinding

SOURCE: Tekhnologiya i organizatsiya proizvodstva, no. 6, 1966, 84-86

TOPIC TAGS: titanium alloy, grinding, durability, annealing, surface finishing

ABSTRACT: Flat specimens of OT4-1 sheet titanium alloy 7 mm thick were studied for the effect of annealing and vibrotumbling on surface quality and durability after surface grinding. The grinding operation was done on a 372B unit with a K340M2B wheel at a speed of 25 mm/sec to a depth of 0.05 mm with a longitudinal feed of 7 m/min removing 0.3 mm from each side. An emulsion was used as coolant. After grinding, the flat surfaces of the specimen showed a class 6-7 finish, a microhardness of 250-270 kg/mm² and a cold-hardened layer 0.02-0.025 mm deep. Four sets of specimens were prepared: 20 specimens were left as they were after grinding; 15 specimens were annealed; 15 were subjected to vibrotumbling; 15 were subjected to vibrotumbling with subsequent annealing. The annealing was done at 540°C for 0.5 hour followed by cool-

UDC: 669.295.620.178.3

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SOV/122-59-3-13/42

AUTHORS: Rotenberg, M.I., Semenov, R.A. (Engineers) and
Bogatyrev, V.G.

TITLE: An Automatic Installation for the Inspection of Bearing
Inserts by the Ultrasonic Method (Avtomatizirovannaya
ustanovka dlya kontrolya vkladyshey ul'trazvukovym
metodom)

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 3, pp 43-45 (USSR)

ABSTRACT: To inspect bi-metal bearing inserts for full adhesion
with the anti-friction layer, ultrasonic detection by
probes with rubber diaphragms was used at the Kolomna
Diesel Locomotive Works (Kolomenskiy Teplovozostroitel'-
nyy Zavod) "Imeni V.V.Kuybysheva" as described in
"Vestnik Mashinostroyeniya, 1957, Nr 9. This method
depended on the operator's skill. The rubber diaphragm
had a short service life. An insert of 250 mm diameter
and 150 mm length took 15 minutes to inspect. After
testing various modifications, the present authors have
developed an automatic installation consisting of an
ultrasonic detecting unit, type 86IM2, an electronic
signal emitter, a rotating bath filled with liquid and
a lifting mechanism. After immersing the insert to be

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An Automatic Installation for the Inspection of Bearing Inserts
by the Ultrasonic Method

inspected into the liquid bath, the probes attached to fittings on a rack are lowered to the level of the bottom face of the insert. When the bath is rotated and the rack displaced vertically, the ultrasonic ray describes a helical line in relation to the insert. A defect is recorded on the cathode ray tube screen of the ultrasonic unit and simultaneously by the electronic signal emitter which lights up an indicator lamp. The block diagram of the installation is shown in Fig 2 and a description of the general layout is given. Water has replaced transformer oil as a bath liquid, because the splashing of the oil spoils the cleanliness of the installation. This necessitated a special probe design. Moreover the demand for increased sensitivity called for a replacement of quartz plates with barium titanate having a much greater piezo-electric effect. The 12 mm diameter, 1 mm thickness barium titanate plate is bonded to the probe face with phenolic or epoxide resin. The probe design is shown in cross-section in Fig 3. An output signal of

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SOV/122-59-3-13/42

An Automatic Installation for the Inspection of Bearing Inserts
by the Ultrasonic Method

several volts is obtained which deflects the cathode ray and is used as an input to the electronic signal emitter, the circuit of which is shown in Fig 4. The emitter constitutes a trigger system. After triggering, the circuit is returned to the initial state by a push button. The signal emitter was necessary because of the excessively short duration of a defect impulse, incapable of operating an electromagnetic relay. To detect defects below 0.8 cm², special step-down probe fittings are required (illustrated in Fig 5).

Card 3/3 There are 5 figures, including 1 photograph.

NIKHTIN, Yu.M.; SEMENOV, R.A.

Nitriding cylindrical diesel engine bushings made of high
strength cast iron. Metalloved. i term.obr.met. no.10:42-
45 O '65. (MIRA 18:11)

1. Moskovskiy avtomobil'no-dorozhnyy institut imeni Molotova
i Kolomenskiy teplovozostroitel'nyy zavod.

L 61076-65 EWP(k)/EWP(z)/EWA(c)/EWT(d)/EWT(m)/EWP(i)/EWF(b)/T/EWA(d)/EWP(e)/EWP(v)/
ACCESSION NR: AP5018280 EWP(t)/EWP(h) PF-1 UR/0226/65/000/007/0108/0111

MJW/JD/HM

AUTHOR: Semenov, Yu. N.; Kondratov, I. Ya.; Semenov, R.A.

44,55

44,75

44,55

43

39

TITLE: Application of current-conducting powder composition on metal parts by roll welding and rolling

SOURCE: Poroshkovaya metallurgiya, no. 7, 1965, 108-111

TOPIC TAGS: metal powder application, seam welding, metal powder rolling, electro-conductive powder

ABSTRACT: A method was developed for applying powder compositions to metal parts by electric roll welding and rolling on of the powder. The welding and rolling of the compositions on steel strips and rings were carried out on an MShP-150 roll welder. Parts of 10 KP steel were plated with compositions of the following compositions: (1) 72% Cu, 9% Pb, 8% Sn, 4% Fe, 7% graphite; (2) 80% Cu, 10% Pb, 10% graphite; (3) 70% Cu, 30% Pb; (4) 88% Cu, 12% graphite. Prior to the application of the powder, the steel surface was copper-plated electrolytically. The powder-metal layers obtained adhered well to the steel base. A further increase in the strength of adhesion to steel was achieved by additional cold rolling and sintering. The mechanical properties and adhesion of the powder-metal layers were as good as those of layers obtained by standard methods.

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L: 61076-65

ACCESSION NR: AP5018280

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Experiments with ferromagnetic powders were unsuccessful because the powder came off the steel specimen under the influence of an alternating magnetic field created by the passage of current from one roll to the next. The use of direct-current units is recommended for the welding and rolling of ferromagnetic powders on metal parts. The proposed process is highly reproducible and can be readily automated. "M.N. Khovin, V.F. Semisinov, L.T. But, and V.V. Kripak participated in the work."

Orig. art. has: 3 figures.

ASSOCIATION: none

SUBMITTED: 20 Aug 84

ENCL: 00

SUB CODE: MM, 1E

NO REF Sov: 003

OTHER: 002

Card

KC
2/2

SELENOV, R.I.; FADKIN, E.Ye.; CHAYKA, M.P.

Apparatus function of a Fabry-Perot spectrometer with a
rectangular orifice plate. Opt. i spektr. 7 no. 6:785-798
D '59. (MIRL 14:2)
(Spectrometer)

39693
S/051/62/013/001/015/019
E032/E114

24,3420

AUTHOR: Semenov, R.I.

TITLE: Accurate measurement of the distances between two spectral lines with the aid of two photomultipliers

PERIODICAL: Optika i spektroskopiya, v.13, no.1, 1962, 134-136

TEXT: This method can be used to determine distances between 0.5 and several Å, e.g. the distance between Zeeman components. It is analogous to the method employed by D.H. Rank, J.M. Bennett and H.E. Bennett (J. Opt. Soc. Amer., 46, 1956, 477). The apparatus incorporates the usual Fabry-Perot arrangement, but makes use of two photomultipliers. A slit-prism arrangement is placed in the focal plane of the monochromator so that the light in the two lines is directed to different photomultipliers. At a given time

$$2t\mu/\lambda_1 = N_o + n_1 + \epsilon_1, \quad 2t\mu/\lambda_2 = N_o + \Delta N + n_2 + \epsilon_2 \quad (1)$$

where: t is the etalon separation; μ is the refractive index; λ_1 and λ_2 are the wavelengths of the two lines; N_o is the number of integral orders for λ_1 with the interferometer evacuated;

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L 43862-65 EWT(1)/EWT(m)/EWP(b)/EWP(t) IJP(c) JD/JG
ACCESSION NR: AP5006451 S/0051/65/018/003/0539/0540

AUTHOR: Zelikina, G. Ya.; Semenov, R. I.

TITLE: Determination of the g-values of second excited p-levels of alkali metals

SOURCE: Optika i spektroskopiya, v. 18, no. 3, 1965, 539-540

TOPIC TAGS: alkali metal, second excited level, p level, g factor, interconfigurational interaction, potassium, cesium

ABSTRACT: To obtain more information on the interconfigurational interactions which cause the oscillator strengths of the second doublets of the principal series of KI, RbI, and CsI to differ from the theoretical values, the authors determined the g-values of the second excited p-levels of KI and CsI. The measurements were made with KI lines 4044 and 4047 Å and CsI lines 4555 and 4593 Å. The light source was a microwave discharge in a neon-filled tube containing a small amount of metallic potassium or cesium, placed in a waveguide in which a TE₁₀ wave was excited; the waveguide was in turn placed in a 32.5 kOe constant magnetic field parallel to the microwave electric field. The spectrum was photographed with a grating spectrograph (1200 lines/mm). The results are listed in the table below:

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L 43862-65

ACCESSION NR: AF50C6451

Element	$\sigma (^P_{11})$	$\sigma (^P_{11})$
Cs I	1.331 ± 0.003	0.668 ± 0.012
K I	1.340 ± 0.012	0.663 ± 0.003
Theoretical	1.3341	0.6639

Further measurements on NaI and RbI and a repetition of the present measurements with greater accuracy are being planned. "The authors thank P. F. Gruzdev for suggesting the topic and M. P. Chayke for a discussion of the results." Orig. art. has: 4 figures and 1 table.

ASSOCIATION: None

SUBMITTED: 16May64

ENCL: 00

SUB CODE: IC, OP

NR REF Sov: 004

OTHER: 005

Cord 2/2 CC

L 64511-65

EPA(s)-2/INT(m)/EWP(b)/EWP(t)

IJP(c)

JD/JG

ACCESSION NR: AP5012600

UR/0051/65/018/005/0756/0762

35
32
B

AUTHOR: Semenov, R. I.; Strugach, B. A.

TITLE: On the possibility of determining the coefficients of intermediate coupling
from the experimental data

SOURCE: Optika i spektroskopiya, v. 18, no. 5, 1965, 756-762

TOPIC TAGS: spectral fine structure, oscillation strength, optic transition,
mercury, germanium, tin, lead

ABSTRACT: The authors show that it is possible to determine the coefficients of intermediate coupling for the s_1 configuration from the experimental values of the g-factors, the fine-structure energy intervals, and the ratios of the oscillator strengths of the electric dipole transitions. The single-configuration approximation is used, in which it is assumed that there are no inter-configuration interactions. The high accuracy required in the determination of the experimental data is pointed out. Comparison with the experimental data shows that the coupling coefficient determined independently of the experimental data referred to in this article coincide within ± 0.01 . The various corrections which must be taken into account are discussed. For example, the g-factors, the fine-structure energy intervals, and the oscillator strength ratios must be determined accurate to 10^{-4} to attain this accuracy. Experimental data obtained with this accuracy are still

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L 64511-65

ACCESSION NR: AP5012600

3

quite scanty. The requirements with respect to the ratio of the oscillator strengths of the intercombinational transitions are less stringent and an accuracy of 10--15% in these values is necessary to determine the coupling coefficients within ± 0.01 . Among the corrections required are those for the higher order terms in the Wolfe formula for the fine-structure energy intervals (Phys. Rev. v. 41, 443, 1932), corrections for the diamagnetic and relativistic effects for the values of the g-factors, and corrections for interactions connected with the hyperfine structure of the levels. Numerical values are given for Hg-I, Ge-I, Sn-I, and Pb-I. In the case of Hg, it is found that the 6s6d configuration is closer to the (j, j) coupling. "The authors are deeply grateful to N. I. Kaliteyevskiy, E. Ye. Fradkin, and A. M. Gutman for interest in the work and a discussion of the results." Orig. art. has: 2 figures, 8 formulas, and 4 tables.

ASSOCIATION: none

SUBMITTED: 19Mar64

ENCL: 00

SUB CODE: OP

NR REF Sov: 005

OTHER: 014

Card 2/2

L 12151-66 EWT(1)

ACC NR: AP6001662

SOURCE CODE: UR/0051/65/019/006/0986/0987

AUTHOR: Semenov, R. I.

44,55

ORG: none

TITLE: The g-factors of excited potassium ion levels

50
41
B

SOURCE: Optika i spektroskopiya, v. 19, no. 6, 1965, 986-987

TOPIC TAGS: potassium, ion, line spectrum

ABSTRACT: The author conducted experiments to determine the g-factors of K II, in the 3700-6500 angstrom region. For greater test accuracy, consideration was given to the linear dispersion of the instrument, which varied from 1.920 Å/mm in the red to 2.020 Å/mm in the near ultraviolet. The g-factors were determined according to splitting on lines given in a table. Formerly the transition which determines the 3934.46 Å was not known. In this paper it is defined as a 1-0 transition from the P₄ level to the level of configuration 3p⁵4d with an energy of 212,941 cm⁻¹. This is the only level in the configuration under discussion with J = 0. Other transitions to this level have not yet been discovered. It occupies approximately the same position with respect to the levels of configuration 3p⁵5s as the corresponding level of configuration 3p⁵3d with respect to the levels of configuration 3p⁵4s. A second table lists the g-factors of the excited levels of K II. The g-factor values were obtained by averaging the results for all the lines which pertained to the given level. Errors are primarily the result of the error in the determination of the magnetic field intensity, determined by splitting on lines

UDC: 539.184.28

Card 1/2

L 12151-66

ACC NR: AP6001662

K I and Ar II which is known. Taking part in the work was graduate student G. Ya. Zelikina, to whom the author wishes to express his gratitude. The author also expresses his sincere thanks to N. I. Kaliteyevskiy and M. P. Chayka for their interest in this work. Orig. art. has: 2 tables.

SUB CODE: 07, 20 / SUBM DATE: 22Apr65 / ORIG REF: 001 / OTH REF: 004

HW

Card 2/2

MASLENNIKOV, I., inzhener; SEMENOV, S., inzhener.

Shortcomings in designing cement concrete road surfaces. Avt.dor
18 no.8:19-20 D '55. (MLRA 9:5)
(Roads, Concrete)

VASILEVSKIY, L.: SEMENOV, S.; YAFREMOVA, Ye.V., redaktor; KARYAKINA, M.S.,
tekhnicheskij redaktor

[Foreign apparatus for automatic control of models in flight]
Zarubezhnye pribory avtomaticheskogo upravleniya modeliami v
polete. Moskva, Izd-vo DOSAAF, 1956. 1956. 47 p. (MLRA 9:12)
(Airplanes--Models--Radio control)

LEVASHEV, L.; SEMENOV, S.

Devices for dismounting water distributing pipes of the GAZ-51
and ZIL-120 engines. Avt.transp. 36 no.8:28 Ag '58. (MIRA 11:9)
(Automobiles--Engines--Cooling)

SEMENOV, S., doktor istoricheskikh nauk (Leningrad)

History under a microscope. Tekh.mol. 29 no.8:37-38 '61.
(MIRA 14:11)

(Archaeology--Methodology)
(Microscope)

SEMENOV, S.

Electric power industry workers of Lithuania help agriculture.
NT0 5 no.5:47 My 163. (MIRA 16:7)

(Lithuania—Electricity in agriculture)

PROSTAPENKO, I.; SELENOV, S.

Unified test papers for construction workers. Prof.-tekh.chn.
22 no.11:10-11 N '65. (MIRA 18,12)

SEMELEV, S.A.; RAKICEVIC, T. [abstracter]

Why the Pygmies are of small height. Geogr hor 8 no.1/2:51-52
'62.

SEMELEV, S. A.

"Trud i intellekt na rannikh etapakh razvitiya."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

KONYUKHOV, N.A.; KOMYKHOV, Yu.S.; SEMENOV, S.A.

An electric katathermometer. Trudy KazNIGMI no.21:100-102 '64.
(MIRA 17:11)

SEMENOV, Andrey Petrovich; SEMENOV, Stepan Andreyevich; APOLIN,
V.D., nauchn. red.; RYCHEK, T.I., red.

[Vocational training of carpenters] Proizvodstvennoe
obuchenie stoliarov. Moskva, Vysshiaia shkola, 1965. 84 p.
(MIRA 18:8)

1. SEMENOV, S. D.
2. USSR (600)
4. Fertilizers and Manures
7. Wood ash as potato fertilizer. Sad i og. No. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

L 46570-66 EWT(m)/EWP(w)/EWP(v)/T/EWP(t)/ETI/EWP(k) IJP(c) JD/HM
ACC NR: AP6020999 (A) SOURCE CODE: UR/0125/66/000/006/0006/0009

AUTHOR: Mandel'berg, S. L.; Semenov, S. Ye.

ORG: Electric Welding Institute im. Ye. O. Paton (Institut elektro-
svarki)

TITLE: Automatic submerged arc welding of 06N3 cold-resistant steel

SOURCE: Avtomaticheskaya svarka, no. 6, 1966, 6-9

TOPIC TAGS: steel, cold resistant steel, low alloy steel, nickel containing steel, chromium containing steel, steel welding, automatic welding, submerged arc welding, weld property / 06N3 steel

ABSTRACT: Experiments have been made with 06N3 austenitic, cold-resistant steel, designed for equipment working at cryogenic temperatures, to develop welding technology which would ensure a weld strength equal to that of the parent metal. The steel contains 0.06—0.08% C, 0.43—0.52% Mn, 0.29—0.30% Si, 3.65—3.89% Ni, 0.14—0.20% Cr, 0.009—0.0014% S and 0.008% P, and has a high ductility at room and cryogenic temperatures and a temperature of transition from plastic to brittle state of about -150°C. The critical stresses for brittle cracking of 06N3 steel in tension are 5 and 14—15 kg·m/cm² at -180 and -130°C, respectively, while at -60°C, no cracks are formed even under a

UDC: 621.791.756:669.15-194:669.24

Card 1/2

SELENOV, S. F.

"Hallucination Phenomena in the Hemianoptic Field of Vision," Vop. Neirokhirurgii, 12,
No. 2, 1948. Cand. Medical Sci. Mbr., Leningrad Sci. Res. Neurosurgical Inst. im.
A. L. Polenov. -cl948-.

SEMELEV, S.F.

Result of pathophysiologic analysis of disorders of space perception.
Zh. nevropat. psichiat., Moskva 53 no.11:835-839 Nov 1953. (CLML 25:4)

1. Scientific-Research Psychoneurology Institute imeni V. M. Bekhterev.

110

SEMELEV, S.F.

Method of studying the kinesthetic analysor in neuro-psychical diseases. Zhur.nevr.i psikh. 54 no.4:299-307 Ap '54. (MLRA 7:5)

1. Kafedra psichiatrii Ryazanskogo meditsinskogo instituta imeni akad. I.P.Pavlova.

(SENSATION,

*kinesthetic analysor, appar. for funct. test in nervous system & psychiat. dis.)

(NERVOUS SYSTEM, diseases,

*kinesthetic analyser in, appar. for funct. test)

(MENTAL DISORDERS, physiology,

*kinesthetic analysor, appar. for funct. test)

SEMEKOV, S.F.

Reflex nature of epileptic seizures. Zhur. nevr. i psikh. 54
no.7:531-539 Jl '54. (MLRA 7:7)

1. Ryazanskiy meditsinskiy institut imeni I.P. Pavlova.
(EPILEPSY, physiology,
*reflex mechanism of epileptic seizures)

SEmenov, S.F., professor; SEMENova, K.A.

Problem of motor-kinesesthetic disorders in cerebral tumors.
Vop.neirokhir. 19 no.5:36-41 S-O '55 (MLRA 8:11)

1. Iz psichiatricheskoy kliniki Krymskogo meditsinskogo
instituta imeni I.V.Stalina.

(MOVEMENT DISORDERS, etiology and pathogenesis
brain neoplasms)

(BRAIN, neoplasms,
causing movement disord.)

SEMELEV, S.F.

Agnosia and apraxia in epilepsy and in other neuropsychiatric diseases in children. Zhur.nevr.i psikh. 55 no.5:330-336 '55.

(MLRA 8:7)

1. Kafedra psikiatrii (zav. -prof. S.F.Semenov) Krymskogo meditsinskogo instituta imeni I.V.Stalina.

(AGNOSIA, etiology and pathogenesis,
epilepsy in child.)

(APRAXIA, etiology and pathogenesis,
epilepsy in child.)

(EPILEPSY, in infant and child,
with agnosia & apraxia)

T

Country : USSR
Category: Human and Animal Physiology. Nervous System.
Higher Nervous Activity. Behavior.

Abs Jour: RZhBiol., No 19, 1958, 89252

Author : Semenov, S.F.; Nazarov, K.N.

Inst : Crimean Medical Institute.

Title : On the Pathogenesis of Speech Disorders in Patients
with Schizophrenia.

Orig Pub: Tr. Krymsk. Med. in-t, 1957, 17, 470-474

Abstract: A recording of speech motions with the aid of a laryngophone and electrocardiograph disclosed that the intensity, rhythm, and rate of speech reactions (SR) changed under the effect of rhythmical cutaneous, luminous and particularly sound and kinesthetic stimulants. In schizophrenia with Cleranbault-Kandinsky

Card : 1/2

T-115

SENEK V., V. S. VY. STROKOVICH

N/5
644.61
.S3

Problemy Kliniki I Patofisiologii Epilepsii (Problems of the Clinical Aspects and Pathophysiology of Epilepsy) Kiyev, Gosmedizdat, USSR, 1958.

203 (I) p. Tables.
"Literatura": p. 197-(204.)

SEmenov, S.F.

Course of schizophrenia complicated by thyrotoxicosis. Trudy Gos.
nauch.-issl. psichonevr. inst. no.20:171-178 '59. (MIRA 14:1)

1. Iz psichiatriceskoy kliniki Krymskogo meditsinskogo instituta
(zav. - prof. S.F. Semenov).
(SCHIZOPHRENIA) (THYROID GLAND--DISEASES)

SEmenov, S.

"Essays on the clinical aspects and pathomorphological disorders
of the reticular formation of the central nervous system" by
B.I.Sharapov. Reviewed by S.Semenov. Zhur. nevr. i psikh. 61
no.5:777 '61. (MIRA 14:7)
(NERVOUS SYSTEM—DISEASES)
(SHARAPOV, B.I.)

KUZNETSOVA, N.I.; SEMENOV, S.F.

Detection of antibodies to the brain in the blood serum of patients
with neuropsychiatric diseases. Zhur. nevr. i psikh. 61 no.6:869-
875 '61. (MIRA 15:2)

1. Institut virusologii imeni D.I.Ivanovskogo (dir. - prof. P.N.
Kosyakov) AMN SSSR i TSentral'nyy nauchno-issledovatel'skiy
institut sudebnoy psikiatrii (dir. - dotsent G.V.Morozov), Moskva.
(MENTAL ILLNESS) (BRAIN) (ANTIGENS AND ANTIBODIES)

PEREL'MAN, A.A. (Tomsk); MOLOKHOV, A.N. (Kishinev); IVANOV, N.V. (Gor'kiy);
KUTANIN, M.P. (Saratov); EPSHTEYN, A.L. (Dnepropetrovsk); CHALISOV,
M.A. (Minsk); SEMENOV, S.F. (Moskva); SLUCHEVSKIY, I.F.

Discussion. Probl.sud.psikh. 9:162-173 '61. (MIRA 15:2)
(MENTAL ILLNESS)

SEMELEV, S.F.; MOROZOV, G.V.; KUZNETSOVA, N.I.

Evaluation of the clinical significance of anticerebral
antibodies in the serum of patients with schizophrenia and
other neuropsychic diseases. Zhur. nevr. i psikh. 61 no.8:
1210-1215 '61. (MIRA 15:3)
(NEUROSES) (ANTIGENS AND ANTIBODIES) (SCHIZOPHRENIA)

BASSIN, F.V.; SEMENOV, S.F.; LUKOMSKIY, I.I.; ROKHLIN, L.L.;
FELINSKAYA, N.I.

Third International Congress of Psychiatrists. Zhur. nevr. i
psikh. 62 no.2:302-316 '62. (MIRA 15:6)
(PSYCHIATRY—CONGRESSES)

SEMELEV, S.F.; MOROZOV, G.V.; SEMENOVA, K.A.; KUZNETSOVA, N.I.; POPOVA,
N.N.; GLEBOV, V.S.

Clinical evaluation of the course of schizophrenia and other
neuropsychic diseases in patients with specific antibrain
antibodies in the blood. Probl. sud. psikh. no.13:5-18 '62.
(MIRA 18:9)

SEMELEV, S.F.

Some characteristics of the clinical aspects and course of schizophrenia with the appearance of autoimmunization with brain antigens. Zhur. nevr. i psikh. 64 no.3:398-403 '64.
(MIRA 17:5)

1. Nauchno-issledovatel'skiy institut sudebnoy psichiatrii
im. Serbskogo (direktor - dotsent G.V. Morozov), Moskva.

SEMELEV, S.F.

Principles of the clinical aspects and forensic psychiatry in the evaluation of schizophrenic remissions. Zhur. nevr. i psikh. 65 no.10:1565-1573 '65. (MIRA 18:10)

1. TSentral'nyy nauchno-issledovatel'skiy institut sudebnoy psichiatrii im. Serbskogo (direktor - dotsent G.V.Morozov) i TSentral'nyy institut psichiatrii (direktor - prof. D.D.Fedotov) Ministerstva zdravookhraneniya RSFSR, Moskva.

SEL'NOV, I. I.

High yields of corn and foxtail-millet fodder near Moscow. Moscow, Gos.
izd-vo selkhoz. lit-ry, 1954. 21 p. (Biblioteka obmena opytom perekovikov
sel'skogo khoziaistva)

SEMENOV, S. G.

H/5
722.102

S4

Ordyna Lenina sovkhoz "Gorki II" (Order Of Lenin State Farm "Gorki II")
Moskva, Sel'khozgiz, 1954.

164 p. illus., charts., tables.

SEMELEV, S.I.

Obtaining normal operations of cranes. Bezop.truda v prom. l
no.7:31-32 J1 '57. (MIRA 10:7)

1. Glavnnyy mekhanik Kolomenskogo teplovokostroitel'nogo zavoda
im. V.V. Kuybysheva.
(Cranes, derricks, etc.)

SHEKHOV, S.I., Cand Agr Sci—(diss.) "Experiments on the crossbreeding of fat-tumped sheep with the Groznenskaya and Tsigay ~~sheep~~ breeds under the semi-dry conditions of Northern Caspian region." Nov, 1958. 17 pp
(All-Union Academy of Agr Sci in V.I.Lenin. All-Union Sci Res Inst of Animal Husbandry), 150 copies (IL, 47-58,134)

- 53 -

SEMELEV S. T.

AUTHOR:

Semenov, S. I., Candidate of Agricultural Sciences. 30-1-37/39

TITLE:

Computation of the Productivity of Work in Agriculture (Ischisleniye proizvodenija truda v sel'skom khozyaistve).
Scientific Conference at the Institute of Economics (Nauchnoye soveshchaniye v Institute ekonomiki).

PERIODICAL: Vestnik AN SSSR, 1958, Vol. 28, Nr 1, pp. 132-135 (USSR).

ABSTRACT:

The Institute for Economics AN USSR, together with the corresponding institutes of the Gosplan USSR and VASKhNIL, held a conference in the fall of 1957 for the purpose of discussing methodical questions connected with the determination of work productivity and the factors of its increase in socialist agriculture. The director of the institute, I. D. Laptev, stressed the present importance of these questions. The principal report was delivered by Ye. S. Karnaunkova. She stressed the fact that with the present productivity of work it would be necessary that millions of additional workers be employed in agriculture in order to increase production as is prescribed by the 6th Five Years' plan. As, however, such a number of additional workers are not available, the problem can be solved only by an increase of the productivity of work. Hitherto no satisfactory methods for the sovchozes, MTS, and kolchozes have been worked out. Hitherto the work performed by the MTS

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Computation of the Productivity of Work in Agriculture.
Scientific Conference at the Institute of Economics.

30-1-37/39

has not been judged separately according to cultures and economic branches of the kolchozes. Also climatic conditions influenced this calculation. Also the difficulties caused by the manifold character of agricultural production are pointed out, and the methods of S. G. Strumilin and V. S. Nemchinov are recommended for this purpose. In conclusion the speaker says that various types of agricultural production can be best estimated and compared on the basis of costs. V. S. Nemchinov spoke about methodological questions of the investigation of the factors of the increase of work productivity in social agriculture; B. I. Brasinskij reported on questions of planning working productivity in agriculture; K. I. Yeremeyev in his report dealt with certain characteristic figures which are at present being used in the kolchozes for the purpose of calculating working productivity; S. A. Zaremba spoke about problems connected with the calculation of gross profit in agriculture; G. N. Volosenkov gave reasons for his suggestion concerning new prices for agricultural products, basing upon the initial costs of sovchozes for the years 1953-1956. A. M. Bryanskij (TgSU) reported on the productivity of work in cattle breeding. A report on the peculiarities of calculating methods in agriculture in the USA was delivered by Ya. B. Lapkes. Interesting reports were delivered by A. A. Radchenko (Institute for Economics AN Ukrainian SSR). P. M. Kuzovlev (Ural

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Computation of the Productivity of Work in Agriculture.
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Branch AS USSR), and others. K. K. Sokolovskiy, deputy director of the Institute for Economic of the Polish AS, gave a report on certain problems of Polish agriculture. The conference requested the Institute of Economics AS USSR to work out recommendations concerning problems of computation methods for working productivity in conjunction with the corresponding other institutes. For this purpose the conference elected a special commission and fixed its working program.

AVAILABLE: Library of Congress.

1. Agriculture-Conference 2. Agriculture-Production-USSR

Card 3/3

BONDAR', F.I.; YERESNOV, N.V.; SEMENOV, S.I.; SUROV, I.Ye.;
KONYUSHKOV, A.M., kand. tekhn. nauk, nauchn. red.;
SMIRNOVA, A.P., red.; GOL'BERG, T.M., tekhn. red.

[Special water-intake structures] Spetsial'nye vodozabor-
nye sooruzheniya. [By] F.I.Bondar' i dr. Moskva, Gosstroiz-
dat, 1963. 367 p. (MIRA 17:1)

GRAUDIN, N.I.; SEMENOV, S.I.; TIMASEV, I.Z.; OVCINNIKOV, M.A.

Some problems of the selection work of breeding sheep with
fine wool in the Northern Caucasus. Analele agric zooteh 17
no.6:123-128 N-D'63.

SEMELEV, S.L., kandidat veterinarnykh nauk, detsent; SKVORTSOVA, L.K.,
assistant.

Professor G.V.Zvereva's review. Veterinariia 32 no.5:90-91 My
'55. (MLRA 8:7)

1.Sel'skokhozyaystvennyy institut, Kishinev.
(REPRODUCTION)

USSR/Human and Animal Physiology. The Nervous System

T-12

Abs Jour : Ref Zhur - Biol., No 14, 1958, № 65757

Author : Semenov S.L.

Inst : Kishinev Agricultural Institute

Title : Typological Reactivity in Cattle

Orig Pub : Tr. Kishinevsk. s.-kh. in-ta, 1957, 12, 165,175

Abstract : No abstract

Card : 1/1

TSYGANOV, Vladimir Mikhaylovich; SEMENOV, S.M., red.; ZAYTSEVA, L.A.,
tekhn. red.

[Work of patrons in the country] Shefskaia rabota na sele. Mo-
skva, Profizdat, 1962. 62 p. (Bibliotekha profsoiuznogo ak-
tivista, no.21(45)) (MIRA 15:11)
(Agriculture)

KONOPLYANTSEV, A.A.; KOVALEVSKIY, V.S.; SEMENOV, S.M.; KUDELIN, B.I.,
retsenzent; AL'TOVSKIY, M.Ye., retsenzent; BEREZOVSKAYA, L.I.,
red.izd-va; BYKOVA, V.V., tekhn.red.

[Natural regime of underground waters and its characteristics]
Estestvennyi rezhim podzemnykh vod i ego zakonomernosti. Moskva,
Gosgeoltekhizdat, 1963. 229 p. (Moscow. Vsesoiuznyi nauchno-
issledovatel'skii institut gidrogeologii i inzhenernoi geologii.
Trudy, no.2). (MIRA 17:4)

KONOPLYANTSEV, A.A.; SEMENOV, S.M.; GOLUB', A.G.; KARATLUYEVA, S.S.

Regionalization of the northern slope of the Trans-Ili Alatau
and the alluvial Ili Depression adjacent to it according to
the characteristics of the regime of ground waters. Trudy
VSEGINGEO no.10:139-151 '64.

(MIRA 17:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii
i inzhenernoy geologii.

SEMINOV, S.M.

Zoning of the regime of ground waters in the European part of
the U.S.S.R. Trudy VSEGINGEO no.10:193-201 '64.

(MIRA 17:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut giprogeologii
i inzhenernoy geologii.

DUNAYEV, Vladimir Pavlovich; ORLOV, Dal' Konstantinovich; SEMENOV, S.M.,
red.; GOLICHENKOVA, A.A., tekhn. red.

[The Ivanovo millions] Ivanovskie milliony. Moskva, Izd-vo
VTsSPS Profizdat, 1960. 91 p. (MIRA 14:8)
(Ivanovo Province--Textile industry)
(Socialist competition)

YEGOROV, Boris Sergeyevich, Geroy Sotsialisticheskogo Truda, izobretatel';
SEMENOV, S.M., red.; RAKOV, S.I., tekhn. red.

[Secret of the NSE winding machine; notes of a worker-inventor]
Sekret NSE; zapiski rabochego-izobretatelia. Moskva, Izd-vo
VTSSPS, 1961. 134 p. (MIRA 14:9)
(Winding machines—Technological innovations)

PLASTININ, Arkadiy Ivanovich; SEMENOV, S.M., red.; MALEK, Z.N., tekhn. red.

[Story of the chairman of a plant's trade-union committee] Povest'
o predsedatele zavkoma. Moskva, Izd-vo VTsSPS Profizdat, 1961. 135 p.
(MIRA 14:7)

(Kiev—Trolley buses)

(Trade unions)

SHLEMIS, Isaak Grigor'yevich; SEMENOV, S.M., red.; IGNAT'YEV, V.A.,
tekhn. red.

[Committee in cultural work among the masses of the com-
mission of factory and plant local committees] Komissiia po
kul'turno-massovoi rabote FZMK. Moskva, Profizdat, 1962. 60 p.
(Bibliotekha profsoiuznogo aktivista, no.2(26)) (MIRA 15:5)
(Trade unions)

LISAKOVA, Polina Zakharovna; SEMENOV, S.M., red.; IGNAT'YEV, V.A.,
tekhn. red.

[Committee on housing and living conditions of a factory and
plant local committee] Zhilishchno-bytovaia komissiia fabzav-
mestkoma. Moskva, Profizdat, 1962. 62 p. (Bibliotechka prof-
soiuznogo aktivista, no.4(28)) (MIRA 15:5)
(Kharkov Province—Trade unions) (Housing)

BULGAKOV, Aleksandr Aleksandrovich; SEMENOV, S.M., red.; ZAYTSEVA,
L.A., tekhn. red.

[Improve the style of trade-union work] Sovershenstvovat' stil
profsoiuznoi raboty. Moskva, Profizdat, 1962. 69 p. (Biblio-
techka profsoiuznogo aktivista, no.22(46)) (MIRA 15:12)
(Trade unions)

PETROV, Petr Sergeyevich; SIMENOV, S.M., red.; ANDREYEVA, L.S., tekhn.
red.

[For trade-union activist workers on raising labor productivity]
Profaktivu o rezervakh povysheniia proizvoditel'nosti truda.
Moskva, Profizdat, 1962. 77 p. (Bibliotekha profsoiuznogo ak-
tivista, no.9(33)) (MIRA 15:5)
(Labor productivity) (Trade unions)

BUGROV, A.P.; SEMENKEVICH, S.R.; SEMENOV, A.I.; SLUTSKIY, G.V.;
SHAPIRO, I.I.; YUSUFOVICH, B.Ye.; SEmenov, S.M., red.;
ZAYTSEVA, L.A., tekhn. red.

[Establishing norms is the basis of scientific labor
organization] Normirovanie - osnova nauchnoi organizatsii
truda. Moskva, Profizdat, 1964. 61 p. (Bibliotekha
profsoiuznogo aktivista, no.2(74)) (MIRA 17:2)

KHVOSTOVA, D.M., red.; SEMENOV, S.M., red.

[Materials of the 13th Congress of the Trade Unions of
the U.S.S.R.] Materialy XIII s"ezda professional'nykh soiuzov
SSSR. Moskva, Profizdat, 1964. 153 p. (MIRA 17:7)

1. Vsesoyuznyy s"yezd professional'nykh soyuzov. 13th. Moscow,
1963.

KARPOV, Ya.; SEMENOV, S.M., red.

[Trade unions in the effort to develop large-scale chemistry]
Profsoiuzy v bor'be za bol'shuiu khimiju. Moskva, Profizdat,
1964. 189 p. (MIRA 18:2)

SEMINOV, S.Y. red.

{ Trade-union work in chemical enterprises} Profsoiuznaja
rabota na khimicheskikh predpriyatiakh. Moskva, Profizdat,
1965. 191 p.
(MIRA 18:12)

SEMELEV, S. M.

SEMELEV, S. M. --"Effect of Antibiotics on the Biological Properties of Agents Brusot and of Brusotlike Sheep Diseases (B Perfringens and Vibrio septique)." *(Dissertation for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions). Min of Agriculture, USSR, All -Union Inst of Experimental Veterinary Science, Moscow, 1955

SC: Knizhnaya Letopis', No. 25, 18 Jun 55

* For Degree of Candidate in Veterinary Sciences

SEMELEV, S.M.

BUYANOVSKIY, I.S., DMITRIYEVA, V.S., CHAYKOVSKAYA, S.M., SEMENOV, S.M.
ANDREYEVA, N.A.

In vitro studies on the characteristics of the new antibiotic
actinoxanthin [with summary in English]. Antibiotiki 3 no.1:27-30
Ja-F'58 (MIRA 11:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ANTIBIOTICS, effects,
actinoxanthine, on Micrococcus pyogenes (Rus))
(CYTOTOXIC DRUGS, effects.
same)
(MICROCOCCUS PYOGENES, effect of drugs on,
actinoxanthine (Rus))

DMITRIYEVA, V.S., SEMENOV, S.M.

Basic conditions and elaboration of methods for determining the activity
of new antibiotics. Antibiotiki, 3 no.3:92-96 My-Je '58 (MIRA 11:7)

1. Laboratoriya mikrobiologicheskikh metodov kontrolya Vsesoyuznogo
nauchno-issledovatel'skogo instituta antibiotikov.
(ANTIBIOTICS, effects,
determ. of activity (Rus))

TEBYAKINA, A.Ye.; SHIBENOV, S.M.

Determination of the biological activity of erythromycin in all
stages of its production. Antibiotiki 4 no.4:33-37 Jl-Ag '59.
(MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ERYTHROMYCIN chem)

DMITRIYEVA, V.S.; SEMENOV, S.M.

Determining the biological activity of polymyxin by the agar diffusion method. Antibiotiki 4 no.6:92-96 N-D '59. (MIRA 13:3)

1. Laboratoriya mikrobiologicheskikh metodov kontrolya (zaveduyushchiy A.Ye. Telyakina) Vsesoyuznogo nauchno-issledovatel'skogo instituta antibiotikov.

(ANTIBIOTICS pharmacol.)

DRUZHININA, Ye.N.; SEMENOV, S.M.

Determination of the biological activity of bicillin-1 and
bicillin-3. Med. prom. 13 no.8:56-59 Ag '59. (MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(PENICILLIN)

KHOKHLOV, A.S.; SILAYEV, A.B.; STEPANOV, V.M.; YULIKOVA, Ye.P.; TROSHKO, Ye.V.; LEVIN, Ye.D.; MAMIOFE, S.M.; SINITSYNA, Z.T.; CHI CHAN-TSIN [Ch'ih Ch'ang-Ch'ing]; SOLOV'YEVA, N.K.; IL'INSKAYA, S.A.; ROSSOVSKAYA, V.S.; DMITRIYEVA, V.S.; SEMENOV, S.M.; VEYS, R.A.; BEREZINA, Ye.K.; RUBTSOVA, L.K.

A new type of polymyxin, polymyxin M. Antibiotiki 5 no.1:3-9 Ja-F
'60. (MIRA 13:7)

I. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov i laboratoriya khimii belka i antibiotikov khimicheskogo fakul'teta Moskovskogo ordena Lenina gosudarstvennogo universiteta imeni M.V. Lomonosova.

(POLYMIXIN)

DMITRIYEVA, V.S.; SEMENOV, S.M.

Biological method for the determination of fumagillin activity.
Antibiotiki 5 no.4:46-50 Ju-Ag '60. (MIRA 13:9)

1. Laboratoriya mikrobiologicheskikh metodov kontrolya antibiotikov
(zav. A.Ye. Tebyakina) Vsesoyuznogo nauchno-issledovatel'skogo instituta
antibiotikov.
(ANTIBIOTICS)

SOLOV'YEVA, N.K.; DELOVA, I.D.; GERMANOVA, K.I.; SAVEL'YEVA, A.M.; KHOKHLOV, A.S.; MAMIOFE, S.M.; SINITSYNA, Z.T.; PETROVA, M.A.; KOROLEVA, V.A.; NAVASHIN, S.M.; FOMINA, I.P.; BUYANOVSKAYA, I.S.; VASILENKO, O.S.; YEFREMOVA, S.A.; BEREZINA, Ye.K.; VEYS, R.A.; DMITRIYEVA, V.S.; SEMENOV, S.M.; SHNEYERSON, A.N.

Polymycin, a new antibiotic from the streptotricin group. Antibiotiki 5 no.6:5-10 N-D 60. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, kafedra mikrobiologii TSentral'nogo instituta usovershenstvovaniya vrachey.

(ANTIBIOTICS)

KORCHAGIN, V.B.; SEMENOV, S.M.; SAVUSHKINA, I.N.

Colorimetric method for the determination of erythromycin.
Antibiotiki 6 no.4:311-314 Ap '61. (MIRA 14:5)
1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ERYTHROMYCIN)

KORCHAGIN, V.B.; KOROBITSKAYA, A.A.; DRUZHININA, Ye.N.; SEMENOV, S.M.

Quantitative method for determining neomycin in a fluid culture medium.
Antibiotiki 7 no.2:124-128 F '62. (MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(NEOMYCIN)

DMITRIYEVA, V.S.; SEMENOV, S.M.

Determination of the biological activity of polymyxin. Antibiotiki 7
no.6:560-562 Je '62. (MIRA 15:5)

1. Laboratoriya mikrobiologicheskikh metodov kontrolya antibiotikov
(zav. A.Ye. Tebyakina) Vsesoyuznogo nauchno-issledovatel'skogo
instituta antibiotikov.
(POLYMYXIN)

SEMELEV, S.M.

Method of determining the biological activity of novobiocin.
Antibiotiki 8 no.7:641-644 Jl'63 (MIRA 17:3)

1. Laboratoriya mikrobiologicheskikh metodov kontrolya aktivnosti
antibiotikov (zav. A.Ye. Tebyakina) Vsesoyuznogo nauchno-issledo-
vatel'skogo instituta antibiotikov.

SEMENOV, S.M.; KORCHAGIN, V.B.; NAUMOVA, R.G.; SAVUSHKINA, L.N.

Study on the stability of the antiphage action of fumagillin.
Antibiotiki 9 no.1:81-84 Ja '64. (MIRA 18:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,
Moskva.

DMITRIYEVA, V.S.; SEMENOV, S.M.

Agar diffusion method for the determination of small quantities of
polymyxin M. Antibiotiki 9 no.1:84-88 Ja '64. (MIRA 18:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,
Moskva.

GRUNDINSKIY, P.G., professor; KUVSHINSKIY, N.N., dotsent, kandidat
tekhnicheskikh nauk; SEMENOV, S.N., inzhener; BUGRINOV, Ye.A.,
inzhener.

Remarks on L.D.Dvoskin's article "New scheme and construction
of the distributing system of an electric power station."
Elektrичество no.6:86-88 Je '54. (MLRA 7:7)

1. Moskovskiy energeticheskiy institut im. Molotova (for Grun-
dinskiy, Kuvshinskiy) 2. Mosenergoproekt (for Semenov, Bugri-
nov)
(Dvoskin, L.D.) (Electric power stations)

AUTHOR: Semenov, S. N., Engineer SOV/119-59-8-7/15

TITLE: The Sealing of a Junction Point by an Elastic Membrane With Γ-shaped Profile

PERIODICAL: Priborostroyeniye, 1959, Nr 8, pp 21-22 (USSR)

ABSTRACT: In the introduction the general properties which ring packings (membrane packings) must have are investigated, and it is found that the sealing capability of such a packing depends on the clearance between the packing and the metal shaft, on the diameter and the material of the packing. For the carrying-out of experiments for determining the sealing capability of Γ-shaped membrane packings, the machine shown by figure 2 was built, in which the packings were investigated at water pressures of up to 50 atm and temperatures of up to 300°C. Constructional details are given. The diameter of the shaft and of the packing was 45 mm. The sealing capability of these Γ-shaped packings is measured by determining the water loss within 10 minutes. Figure 4 shows the results obtained. The experiments were carried out with packings having different degrees of wear, and it was found that a clearance of 100μ must not be exceeded in order to warrant good sealing. There are 4 figures.

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SEMELEV, Severin Pavlovich; URAZOV, Ivan Grigor'yevich; ENTIN,
Tamara Il'inichna; MAKAROV, P.V., prof., otd. red.;
PETROVICHEVA, O.L., red.

[Manual for practical work in general histology with
elements of microscopic anatomy] Posobie k prakticheskim
zaniatiiam po obshchei gistolozii s elementami mikrosko-
picheskoi anatomii. Leningrad, Izd-vo Leningr. univ.,
1964. 67 p. (MIRA 17:6)

SEMENOV, S. P.

Tonkaia rastochka tsilindrov i gil'z. Moskva, Mashgiz, 1949. 91 p.
illus. (Tekhnologija maskinostroenija; stanki i obrabotka metallov rezaniem)
Bibliography: p. (90)

Fine boring of cylinders and sleeves.

DLC: TJ1230.S413

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

ДИАЛОГ, С.В.

D'YACHENKO,P.Ye., laureat Stalinskoy premii, doktor tekhnicheskikh nauk;
YAKOBSON,M.O., kandidat tekhnicheskikh nauk; KRIVOUKHOV,V.A., pro-
fessor, doktor tekhnicheskikh nauk, retsenzent; SEMENOV,S.P., kan-
didat tekhnicheskikh nauk, dotsent, retsenzent; LARIN,M.N., laureat
Stalinskoy premii, professor, doktor tekhnicheskikh nauk, redaktor;
BOBROVA,Ye.N., tekhnicheskiy redaktor

[Surface quality in metal-cutting] Kachestvo poverkhnosti pri ob-
rabotke metallov rezaniem. Moskva, Gos.nauchno-tekhn.izd-vo mashin-
nostroitel'noi lit-ry, 1951. 207 p.

(MIRA 9:1)

(Metal cutting)

SEMENOV, S.P., kandidat tekhnicheskikh nauk (Leningrad)

Microgeometry of precision face milling. [Izd.] LONITOMASH
no.34:178-189 '54. (MLRA 8:10)
(Surfaces (Technology))

S/123/61/000/004/007/027
A004/A104

AUTHOR: Semenov, S. P.

TITLE: A technological calculation of the surface roughness and machining productivity in marine engine building

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 4, 1961, 2, abstract 4B9.
("Tr. Leningr. krabylestrcit. in-ta", 1959, no. 27, 139-150)

TEXT: The author investigates the regularities in the change of dimensional characteristics of surface microroughness for various working methods. The obtained formulae make it possible, already in the designing stage of the working process, to determine the magnitude of the criteria H_{ck} (H_{sk}) and H_{cp} ($H_{average}$) depending on a number of factors, in particular for parts of marine engines of gray cast iron and steels machined by different methods (turning, boring, milling, drilling, grinding, honing, etc.). It is recommended to calculate the profiling productivity of any machining method on the basis of the size of area machined in a unit of time relative to 1μ height of microroughness H_{av} obtained with this finishing method. There are 3 figures and 5 references. D. Vaks

[Abstractor's note: Complete translation]

Card 1/1

SEMENOV, S.P.

Study of the workability and surface quality of bronze, brass
and silumin used in marine engineering. Trudy LKI no.28:127-
136 '59. (MIRA 15:5)

1. Kafedra tekhnologii metallov Leningradskogo korablestroitel'nogo
instituta.
(Nonferrous metals) (Marine engineering)

MISHIN, Ivan Alekseyevich; SEMENOV, S.P., kand.tekhn.nauk, retsenzent;
SHNEYDER, Yu.G., kand.tekhn.nauk, red.; SHATILOV, V.A., inzh.,
red.; DUDUSOVA, G.A., red.izd-va; FRUMKIN, P.S., tekhn.red.

[Wear resistance of tractor engine parts] Iznosostoiokost' detalei
avtotraktornykh dvigatelei. Moskva, Gos.nauchno-tekhn.izd-vo
mashinostroit.lit-ry, 1960. 137 p. (MIRA 13:3)
(Tractors--Engines)

SEMELEV, S.P.

Effect of distortion processes on the shaping of the actual profile of shafts and cylinder bushings. Trudy LKI no.32:87-96 '60. (MIRA 15:2)

1. Kafedra tekhnologii metallov Leningradskogo korablestroitel'nogo instituta.
(Metalwork)(Marine engineering)

SEmenov, S.P.

Effect of vibration processes on the formation and transformation
of lateral and longitudinal roughness. Trudy Sem.po kach.poverkh.
no.5:332-338 '61. (MIRA 15:10)
(Machine tools-Vibration) (Metal cutting)

SEMELEV, S.P.

Sensory innervation of the ventricular myocardium in the cat. Dokl.
AN SSSR 108 no.4:732-733 Je '56. (MIRA 9:9)

1.Laboratoriya morfologii Instituta fiziologii imeni I.P.Pavlova
Akademii nauk SSSR. Predstavleno akademikom K.M.Bykovym.
(HEART--INNERVATION)

SEMENOV

SP EXCERPTA MEDICA Sec 18 Vol 3/4 Cardiovascular Dis. Apr 59

982. Postembryonal development of the receptors of the atrium cordia of the cat
Über die Postembryonale Entwicklung der Herzvorhofrezeptoren der Katze. SEME-
NOW S. P. Anat. und Histol. Fak., Univ. Leningrad Z. mikr. anal. Forsch. 1958,
63/4 (672--696) Illus. 15

The method of Bielschowsky-Gross was used. During the postembryonal lifetime these sensory nerve endings show a considerable transformation, especially quickly in the 2nd and 3rd months after birth. The receptors in the endocardium grow very rapidly in the 2nd month and develop to such characteristic compact, non-free bush-form endings as found in the adult animal in the 8th month after birth. The development of the receptors in the epicardium is similar to that in the endocardium. The receptors in the myocardium differentiate early and reach their final or complete development in about the 3rd month. These are represented in the adult animal as muscle spindles and also as free and non-free nerve endings of climbing form.

Seto - Sendai (I, 18)

SEMELEV, S.P.

Structure and postembryonic development of neural ganglia in the
mammalian heart. Vest. LGU 15 no.9:85-100 '60. (MIRA 13:4)
(NERVES, CARDIAC)

SEMENOV, S.P.

Postembryonal development of heart atria receptors in the cat
[with summary in English]. Vest. IgU 12 no.9:71-82 '57.
(Heart--Innervation) (Cats) (MLRA 10:8)